

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Uwe KRUGER et al.                      Art Unit : Unknown  
Serial No. : Unassigned                              Examiner : Unknown  
Filed : March 23, 2001  
Title : MULTIVARIATE STATISTICAL PROCESS MONITORS

Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Prior to examination, please amend the application as follows:

In the claims:

Amend claims 3 and 4 as follows:

3. (Amended) A multivariate statistical process monitor which has been designed/configured by the method of claim 1 and which is so arranged as to identify abnormal process behavior by analyzing the residuals of the response variables.

4. (Amended) A method of monitoring a process which comprises configuring a multivariate statistical process monitor by the method of claim 1, and identifying abnormal process behavior, at least in part, by analyzing the residuals of the response variables.

Add claims 5 and 6 as follows:

--5. A multivariate statistical process monitor which has been designed/configured by the method of claim 2 and which is so arranged as to identify abnormal process behavior by analyzing the residuals of the response variables.

6. A method of monitoring a process which comprises configuring a multivariate statistical process monitor by the method of claim 2, and identifying abnormal process behavior, at least in part, by analyzing the residuals of the response variables.--

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Invensys Ref. 00,300

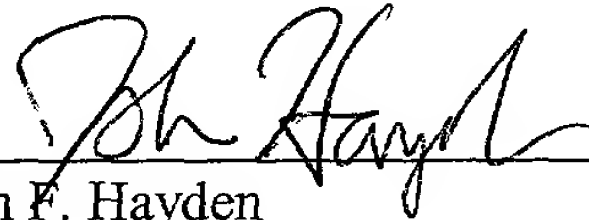
REMARKS

Claims 3 and 4 have been amended. New claims 5 and 6 have been added. Claims 1-6 are now pending in this application. Attached is a marked-up version of the changes being made by the current amendment.

Applicants submit that all of the claims are now in condition for examination, which action is requested. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 23, 2001

  
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John F. Hayden  
Reg. No. 37,640

Fish & Richardson P.C.  
601 Thirteenth Street, NW  
Washington, DC 20005  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331

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**Version with markings to show changes made**

**In the claims:**

Claims 3 and 4 have been amended as follows:

3. (Amended) A multivariate statistical process monitor which has been designed/configured by the method of claim 1 **[or claim 2]** and which is so arranged as to identify abnormal process **[behaviour]** behavior by **[analysing]** analyzing the residuals of the response variables.

4. (Amended) A method of monitoring a process which comprises configuring a multivariate statistical process monitor by the method of claim 1 **[or claim 2]**, and identifying abnormal process **[behaviour]** behavior, at least in part, by **[analysing]** analyzing the residuals of the response variables.